



## ***Perkins Innovative Grant Hydrogen Fuel Cell Project at Desert Vista HS***

**Day:** Wednesday, November 18, 2009  
**Session:** 10:45 am – Noon  
**Room:** Aztec A

### **Presenters:**

**Nori Cannell** – [ncannell@tuhsd.k12.az.us](mailto:ncannell@tuhsd.k12.az.us)

CTE Director  
Tempe Union HS District

**Dan Zavaleta and his Engineering Students**

Engineering Program at Desert Vista  
Tempe Union HS District

### **Session Description:**

The Perkins Innovative Grant is a great opportunity to initiate and develop meaningful programs. This session will describe the development of the Hydrogen Fuel Cell Project at Desert Vista High School in the Tempe Union District. The application process will be presented by Nori Cannell, Tempe CTE Director, and the many projects and activities that have led to an Engineering Program at Desert Vista will be described by teacher Dan Zavaleta and his students.

### **How the session addresses Innovation:**

The introduction of the Hydrogen Fuel Cell instruction at Desert Vista has resulted in an integrated project that includes math, science (physics and chemistry), English/speech, and automotive technology. Desert Vista is currently creating a Math/Science Academy that includes the Engineering component. Students earn up to six hours of Engineering credit through Arizona State University in dual credit.

### **Presenter Information:**

**Nori Cannell**, former Business and Technology Teacher, currently serves as the Director of Guidance and Career and Technical Education for the Tempe Union High School District. Nori collaborates with students, educators, and the community to promote excellence in teaching and learning.

**Dan Zavaleta**, Desert Vista High School Industrial Technology Teacher, has been teaching for 27 years. Mr. Zavaleta promotes engineering, automotive technology, and information technology through project-based activities. Dan goes above and beyond to ensure students have the opportunity to work with industry professionals and learn and apply emerging technologies.

### **Presenter Information:**

[Hydrogen Fuel Cell Presentation](#)

[Grant Mid-Year Narrative](#)

[Innovative CTE Program Grant Application](#)

[FINAL ADE 22-013B](#)

[Final ADE Form 22-084](#)

[FINAL ADE 40-002b](#)

[PROJECT DESCRIPTION](#)

[FY 2010 Application Objectives](#)

[Detail Financial Innovative grant](#)

[FINAL ADE 40-002b Year 2](#)